Digital radiography (DR) image analysis of aluminium casting components

- Company manufacture auto components and supplies aluminium casted components.
- Inspection with radiography and company manually interprets X-Ray images.
- Intepretation is not consistent and time consuming.

Solution

- DAI's ADR system customized for company's data and standards.
- DR images of component captured with automation system.
- Images uploaded into ADR platform and defects identified automatically by ADR.
- Company can view results and generate reports.

Impact

- Auto detection of defects significantly reduces analysis time of images.
- Company has processed 500 radiographic weld images in an hour.
- Clear indication of defects in welds allows company to make data driven decisions.